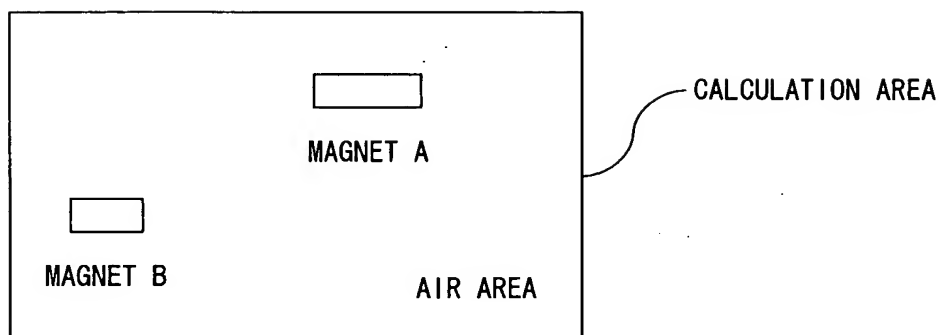
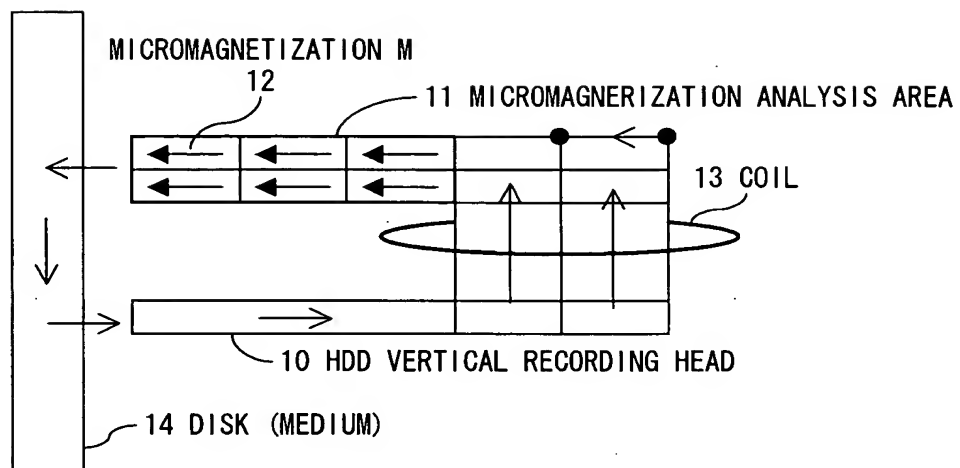


FIG. 1



F I G. 2



F I G. 3

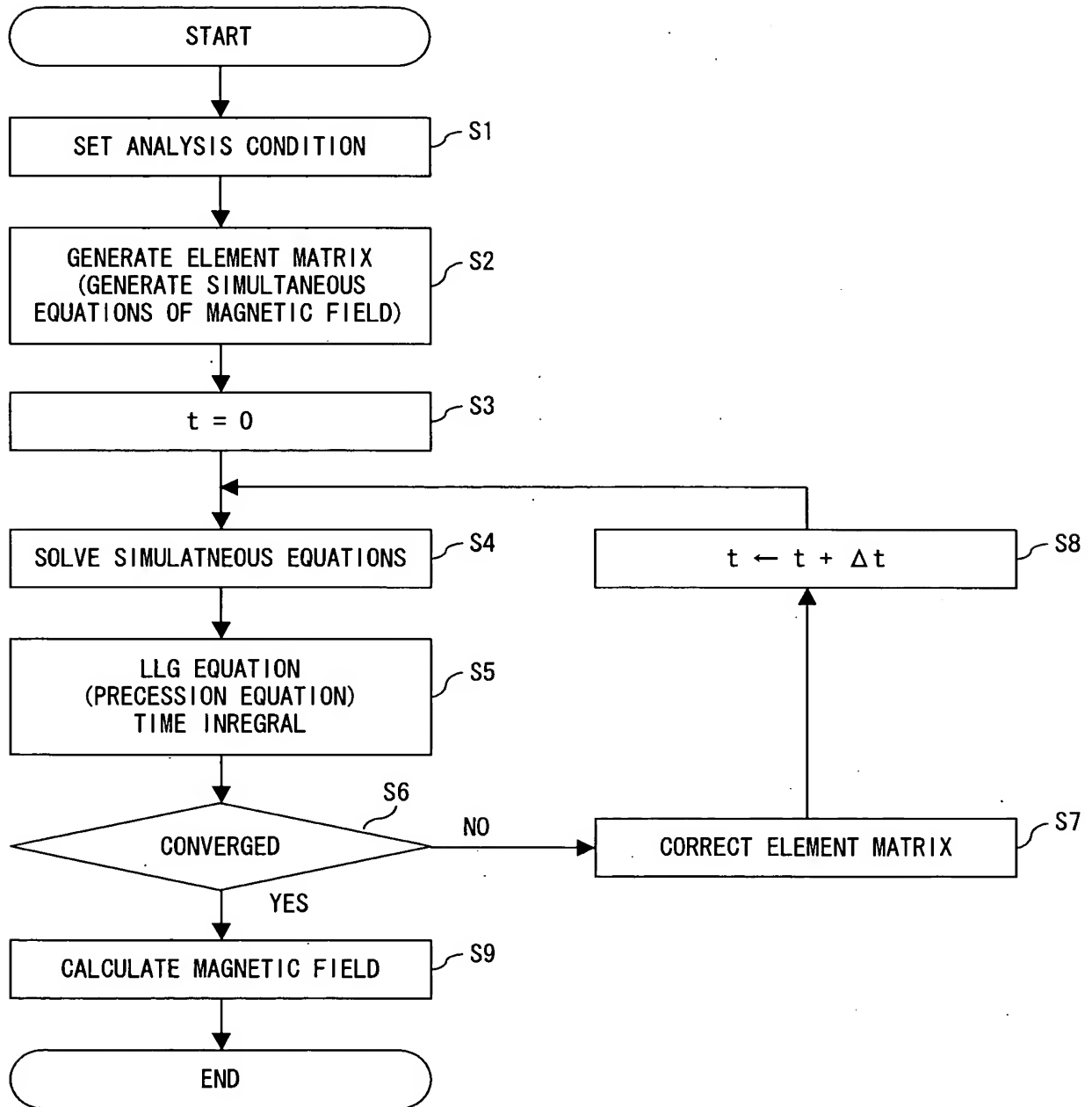
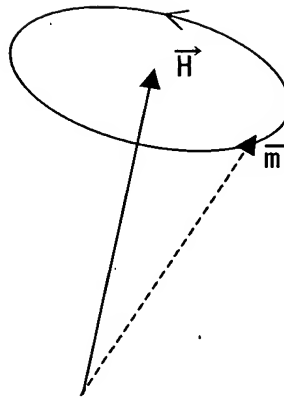
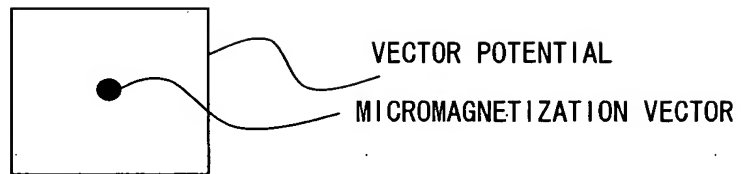


FIG. 4



F I G. 5



F I G. 6

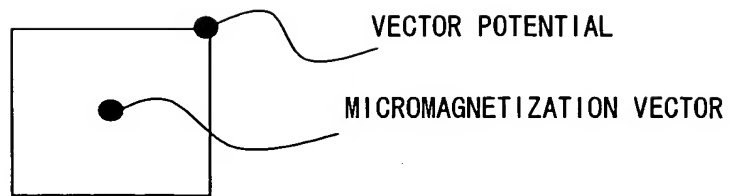
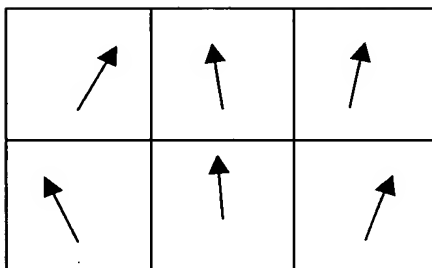
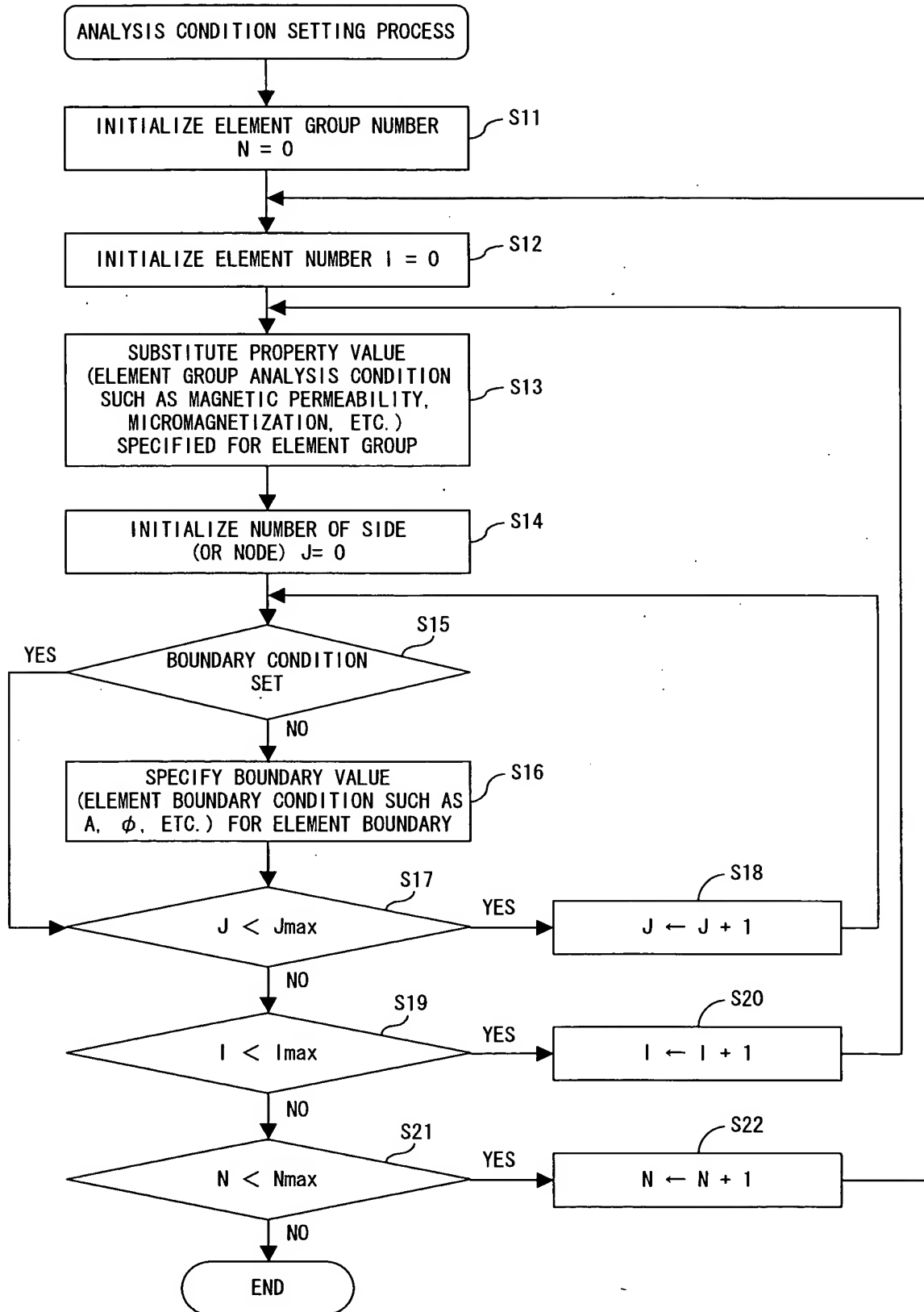


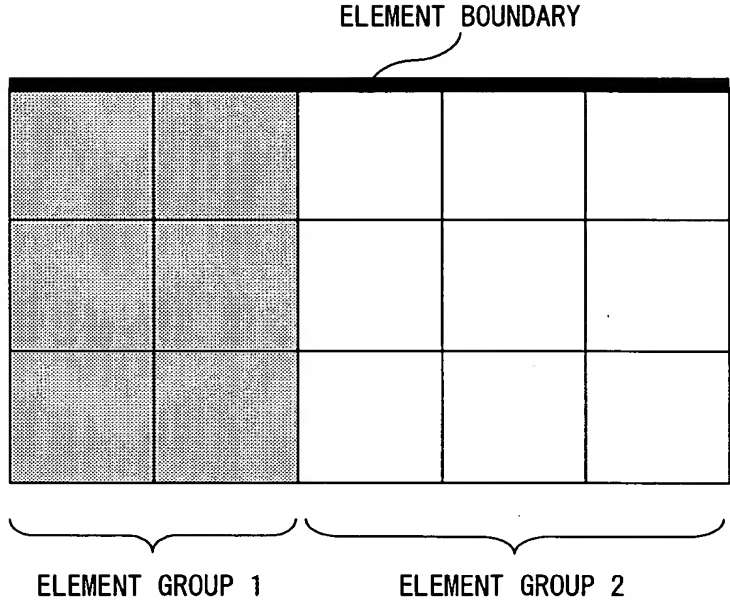
FIG. 7



F I G. 8



F I G. 9



F I G. 1 0

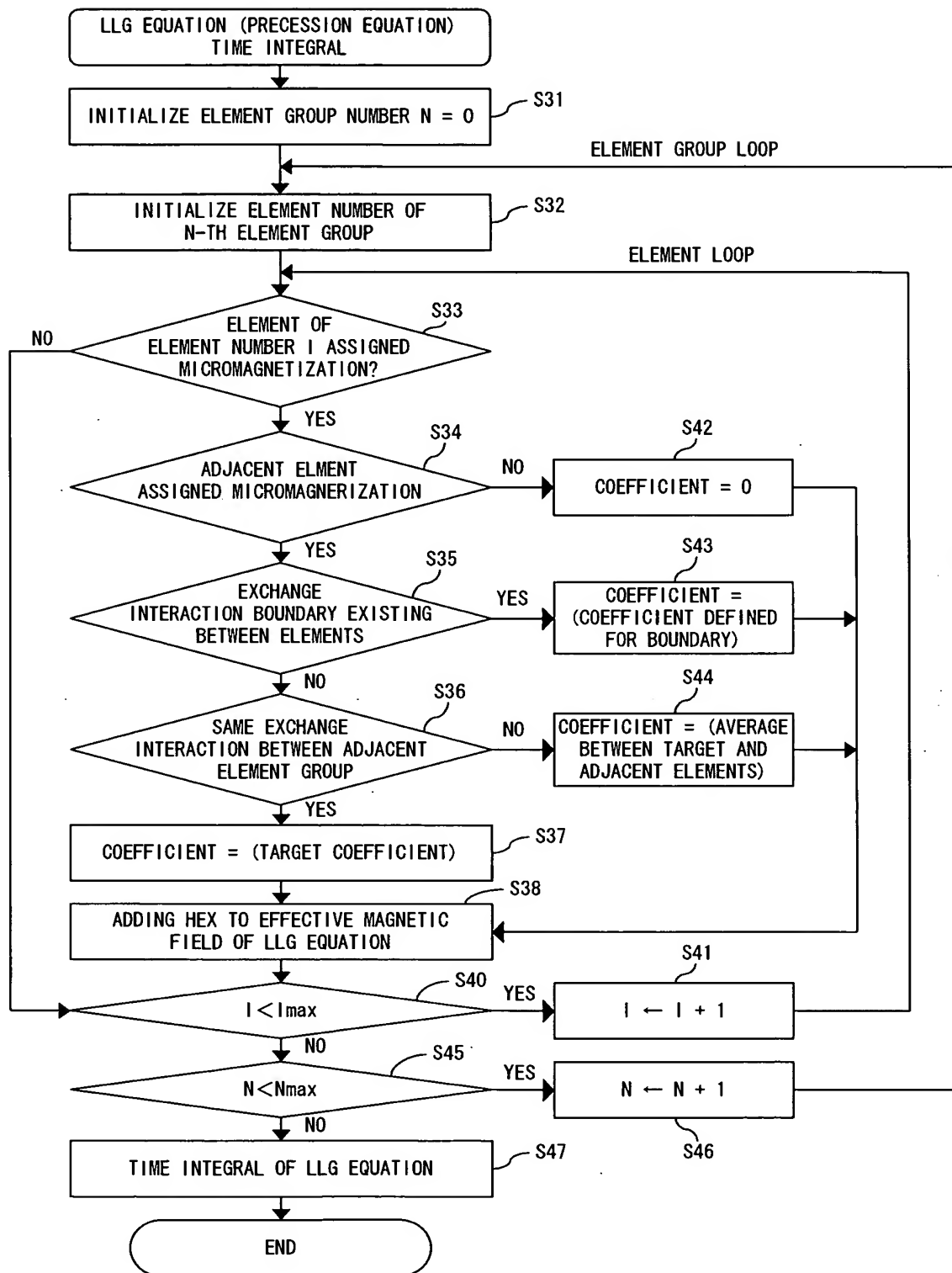
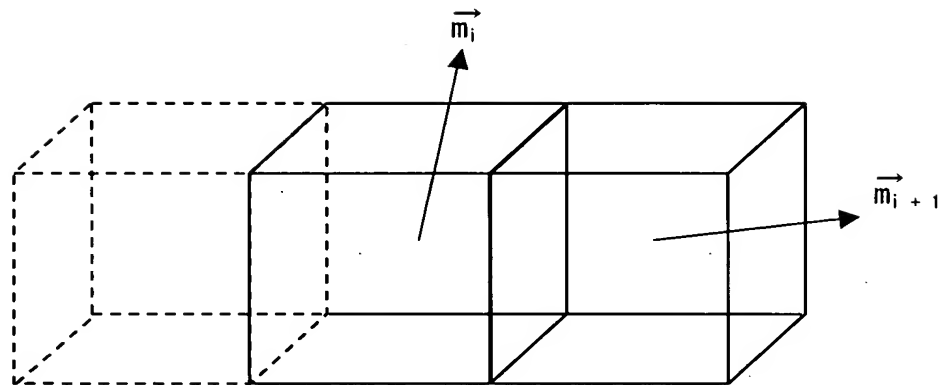
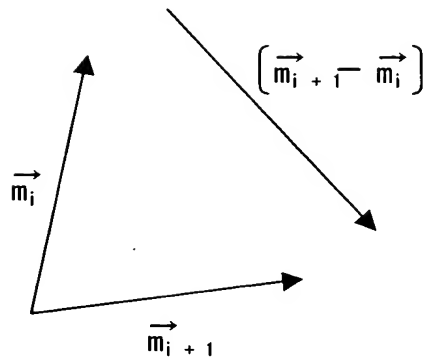


FIG. 11



F I G. 1 2



F I G. 1 3

SETTING GROUP CONOITON (MAICROMAGNETITATION ANALYSIS)

No = 101

2

NAME = 102

US

MATERIAL SELECION

OPTION

NO SETTINGS

AIR

CONDUTOR

MAGNETIC SUBSTANCE

MICROMAGNETIZATION

EXCITING CURRENT 104

NONLINEATITY

MAGNETIZATION

QUASISTATIONARY MAGNETIZATION FIXING

103

105

107

108

MAGNETIC PERMEABILITY

1.000E+00

DIELECTRIC CONSTANT (1/Ωm)

1.000E+00

MAGNETIZATION INTENSITY (T)

0.000E+00

MAGNETIZATION X-COMPONENT

0.000E+00

MAGNETIZATION Y-COMPONENT

0.000E+00

MAGNETIZATION Z-COMPONENT

0.000E+00

ID FOR QUASISTATIONARY CALCULATION

0

NUMBER OF DIVISIONS OF MAGNETIZATION INTENSITY

0

109

110

111

112

113

106

115

FACILITY AXIS DIRECTION

RANDOM

ARRAY

3-DIMENSIONAL

ON X-Y PLANE

ON Y-Z PLANE

ON Z-X PLANE

114

116

EXCHANGE COEFFICIENT (J/M)

10.00E-12

FRICTION COEFFICIENT

1.000E+00

117

118

FORCIBLE

FORCED

X COMPONENT

1.000E+00

Y COMPONENT

0.000E+00

Z COMPONENT

0.000E+00

FEATURES OF MAGNETIC FILM

TYPE

FREE

X COMPONENT

0.000E+00

Y COMPONENT

0.000E+00

Z COMPONENT

0.000E+00

BONS DILM

BOND ELEMENT

GROUP CONNECTING LAYERS USING EXCHANGE BOND

Hexc (erg/cm2)

Hin, Hua (Oe)

0.000E+00

OK

CANNCELED

FIG. 14

SETTING BOUNDARY CONDITION (MICROMAGNETIZATION ANALYSIS)

No = NAME =

119 {

BOUNDARY FOR MAGNETIC FIELD CALCULATION

120 {

BOUNDARY FOR EXCITING CURRENT

121 {

EXCHANGE INTERACTION

EXCHANGE COEFFICIENT (J/m)

122 {

Ax =

Ay =

Az =

123 ϕ =

124 ϕ_m =

125 {

MAGNETIZATION VECTOR FIXING

126

ID FOR SEMI-STEADY CALCULATION

FIG. 15

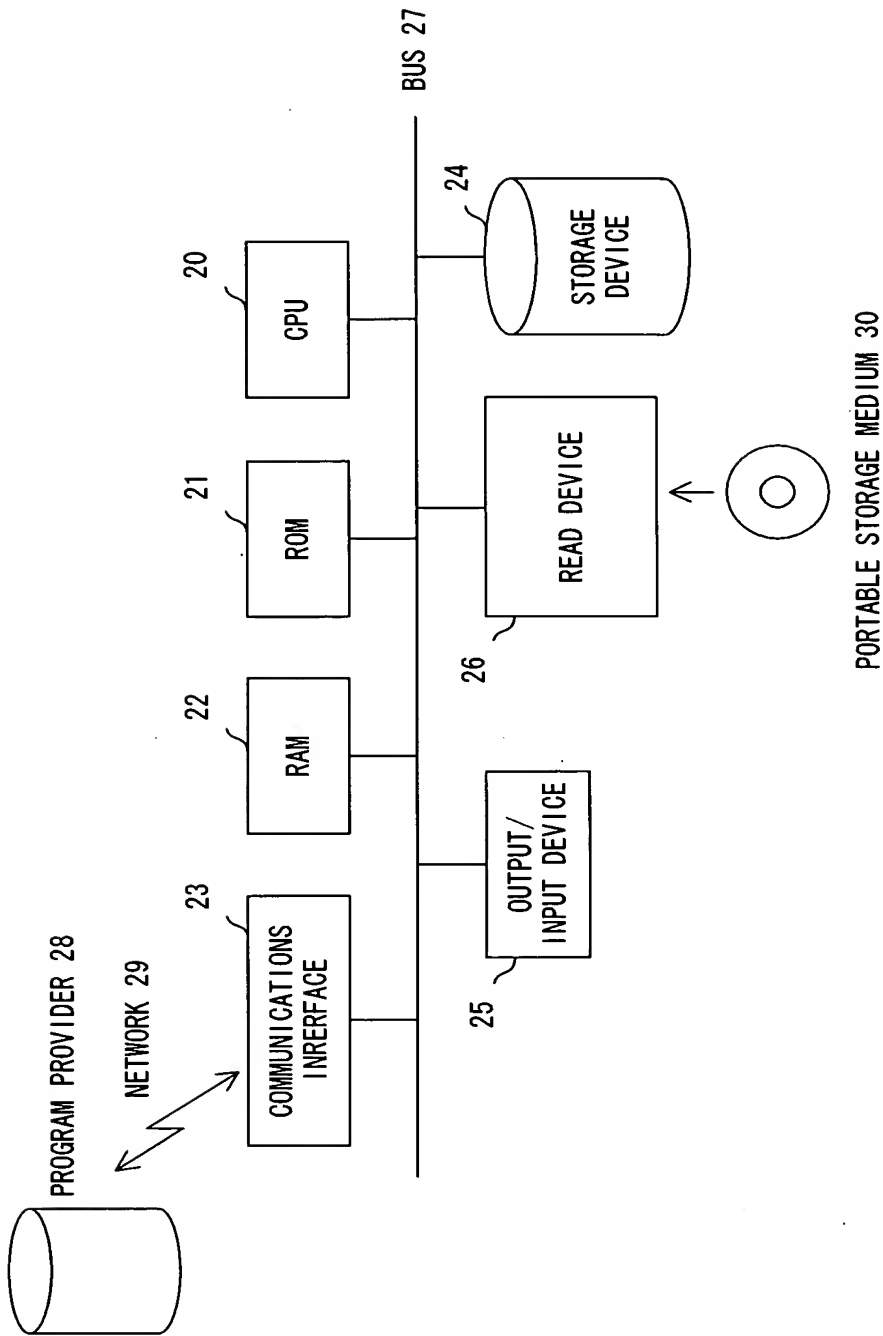


FIG. 16